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APPLICANT : SAKAMOTO YAKUJIN KOGYO CO LTD;

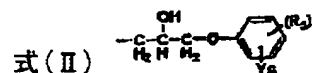
INVENTOR : KATO SHINICHIRO;

INT.CL. : C08L 67/00 //(C08L 67/00 , C08L 63:02)

TITLE : FLAME RETARDANT POLYESTER RESIN COMPOSITION HAVING EXCELLENT RECYCLABILITY



式 (I)



式 (II)

ABSTRACT : PROBLEM TO BE SOLVED: To provide a flame retardant polyester resin composition which is excellent in a flame retardance and mechanical characteristics, good in retention thermal stability at the time of molding, generates little halogen gas and is recycled without deterioration of the flame retardance and mechanical strength.

SOLUTION: The composition is obtained by compounding a polyester-based resin of 100 pts.wt. with a halogen-containing epoxy modified entity of 3-50 pts.wt., a flame retardant auxiliary of 0.1-20 pts.wt. and a reinforced filler of 0-150 pts.wt. The epoxy modified entity is represented by formula (I) (provided that R1 and R2 is a glycidyl group, a hydrogen group or a group represented by formula (II); R3 is a lower alkyl group; Y is a halogen atom; r and s are a range of 0-5 and r+s is an integer of 5 or less; X is a halogen atom; p and q are a range of 0-4 and all of p and q are an integer which is not set to 0; n is an average degree of polymerization and it means an integer of 11 or more) and a particle diameter in 99 wt.% or more is 3 mm or less.

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